

In the Claims

Amend claims 1, 6, 7, 12, 13 and 18-21, and cancel claims 5, 11 and 17:

1. (currently amended) An automated method of managing server network computing resources having a workload of a given type, the method comprising:

providing additional hardware resources available to, but unused by, the server network computing resources;

providing resource data collectors for collecting data regarding performance of the server network computing resources, in accordance with the type of workload;

developing a forecast of utilization of the server network computing resources, based on historical performance data;

collecting real-time performance data regarding the server network computing resources running under the workload;

analyzing the real-time performance data and the forecast to identify a critical server network computing resource; and

automatically adjusting a capacity of the server network computing resource to provide steady-state performance of said resource under said workload.

2. (cancelled)

3

3. (previously presented) The method of claim 1 further comprising setting threshold values for said performance data and identifying the server network computing resource in accordance with the threshold values.

4. (previously presented) The method of claim 1 further comprising:
notifying a user of the server network computing resources when the critical resource is a hardware resource; and
notifying the user when the capacity of said hardware resource is adjusted.

5. (cancelled)

6. (currently amended) The method of claim [[5]] 1 wherein the additional hardware resources are selected from the group consisting of CPUs, computer memory and computer disk storage.

7. (currently amended) A program storage device readable by a machine, tangibly embodying a program of instructions executable by the machine to perform an automated method of managing server network computing resources having a workload of a given type, using resource data collectors for collecting data regarding performance of the server network computing resources in accordance with the type of workload, and a forecast of utilization of the server network computing resources based on historical performance data,

the server network computing resources further including additional hardware resources available to, but unused by, the computing resources, said method steps comprising:

collecting real-time performance data regarding the server network computing resources running under the workload;

analyzing the real-time performance data and the forecast to identify a critical server network computing resource; and

automatically adjusting a capacity of the server network computing resource to provide steady-state performance of said resource under said workload.

8. (cancelled)

9. (previously presented) The program storage device of claim 7 wherein the method steps further comprise setting threshold values for said performance data and identifying the server network computing resource in accordance with the threshold values.

10. (previously presented) The program storage device of claim 7 wherein the method steps further comprise:

notifying a user of the server network computing resources when the critical resource is a hardware resource; and

notifying the user when the capacity of said hardware resource is adjusted.

11. (cancelled)

12. (currently amended) The program storage device of claim [[11]]_Z wherein the additional hardware resources are selected from the group consisting of CPUs, computer memory and computer disk storage.

13. (currently amended) A computer program product for performing an automated method of managing server network computing resources having a workload of a given type, using resource data collectors for collecting data regarding performance of the server network computing resources in accordance with the type of workload, and a forecast of utilization of the server network computing resources based on historical performance data, the server network computing resources further including additional hardware resources available to, but unused by, the server network computing resources, said computer program product having:

computer-readable program code for collecting real-time performance data regarding the server network computing resources running under the workload;

computer-readable program code for analyzing the real-time performance data and the forecast to identify a critical server network computing resource; and

computer-readable program code for automatically adjusting a capacity of the server network computing resource to provide steady-state performance of said resource under said workload.

14. (cancelled)

15. (previously presented) The computer program product of claim 13 wherein the computer program product further comprises computer-readable program code for setting threshold values for said performance data and computer-readable program code for identifying the server network computing resource in accordance with the threshold values.

16. (previously presented) The computer program product of claim 13 wherein the computer program product further comprises:

computer-readable program code for notifying a user of the server network computing resources when the critical resource is a hardware resource; and

computer-readable program code for notifying the user when the capacity of said hardware resource is adjusted.

17. (cancelled)

18. (currently amended) The computer program product of claim ~~[[17]]~~ 13 wherein the additional hardware resources are selected from the group consisting of CPUs, computer memory and computer disk storage.

19. (currently amended) The method of claim 4 ~~further comprising initially providing additional hardware resources available to, but unused by, the server network computing~~

~~resources,~~ wherein the additional hardware resources ~~being selected~~ are selected from the group consisting of CPUs, computer memory and computer disk storage.

20. (currently amended) The program storage device of claim 10 wherein ~~the server network computing resources further include additional hardware resources available to, but unused by, the computing resources,~~ the additional hardware resources ~~being selected~~ are selected from the group consisting of CPUs, computer memory and computer disk storage.

21. (currently amended) The computer program product of claim 16 wherein ~~the computer program product further includes additional hardware resources available to, but unused by, the server network computing resources,~~ the additional hardware resources ~~being selected~~ are selected from the group consisting of CPUs, computer memory and computer disk storage.

REMARKS

Applicants' undersigned counsel appreciates the courtesies extended by the Examiner during the telephone interview on July 27, 2006. Applicants have amended the claims in accordance with the discussion during that interview.

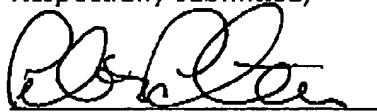
The subject matter of dependent claims 5, 11 and 17 has been added to independent claims 1, 7 and 13, respectively, and the dependent claims have been cancelled. Please note that the subject matter of claim 17 has been corrected in claim 13 to read "server network computing resources" instead of "computer program product" to be consistent with the other claim amendments.

The dependencies of claims 6, 12 and 18 have been changed in view of these amendments.

Claims 19-21 have been amended to delete the duplicative subject matter as a result of the aforementioned amendments.

It is respectfully submitted that the application has now been brought into a condition where allowance of the entire case is proper. Reconsideration and issuance of a notice of allowance are respectfully solicited.

Respectfully submitted,



Peter W. Peterson
Reg. No. 31,867

DeLIO & PETERSON, LLC
121 Whitney Avenue
New Haven, CT 06510-1241
(203) 787-0595
ibmf100347000amdC.doc